

A SUPPLEMENT TO A LIST OF THE LAMELLI-
BRANCH AND PALLIOBRANCH MOLLUSCA OF
SOUTH AUSTRALIA.

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Such excellent results in conchological pursuits have been gained by some of my friends since the publication of my list of the South Australian bivalves two years ago, that to delay longer making known their discoveries would be undesirable, especially because some of the species are undoubtedly new to science.

The actual additions are 17 in number, and bring up the total to 187. Seven of them I consider to be diagnostically unknown. An uncertain species of *Teredo* has, through acquisition of complete material, been better defined, and a distinctive cognomen applied to it. The names of two of our fresh-water mussels were inadvertently misapplied. The corrections are herewith made, and a better specific determination is offered for a third, and a new one added.

To the list of species recorded for South Australia, but on insufficient data, should be added *Cardium donaciformis* reported as collected at Port Lincoln by Harvey; it is not improbable that *Donax cardioides* has been mistaken for it.

The sequence of the additional species in the classification, adopted in the original paper, is indicated by the numerals prefixed to the specific names.

LAMELLIBRANCHIATA.

1. TEREDO FRAGILIS, Tate, *antea*, p. 60. *Teredo* sp. of Port Creek.
- 10a. PANOPEA AUSTRALIS, Sowerby, *Genera of Shells*, No. 40, fig. 2. Ovate oblong, concentrically wrinkled, wider in front, obliquely truncated behind. Rapid Bay (*R. H. Pulleine*); Hardwicke Bay, Spencer Gulf (*G. F. Matthews*); also Victoria, Tasmania, New South Wales.
- 18a. THRACIA MODESTA, Angas, *Proc. Zool. Soc.*, 1867, t. 44, fig. 3, p. 908. Small, ovate, posterior side vertically truncate. Tapley Shoal (*Matthews* and *McDougall*); also New South Wales.
- 18b. CÆLODON PATULUS, Tate, *antea*, p. 60. Wool Bay, St. Vincent Gulf, in ten fathoms (*Matthews* and *McDougall*); Spencer Gulf, off Kangaroo Island (*S. Aust. Mus.*).

- 22a. *MACTRA MATTHEWSI*, Tate *antea*, p. 60. Royston Head (*Matthews*).
- 28a. *RAETA MERIDONALIS*, Tate, *antea*, p. 61. Aldinga Bay (*T. C. A. Magarey*).
- 46a. *TELLINA MODESTA*, Sowerby, Proc. Zool. Soc., 1883, t. 7, fig. 1, p. 31. A delicate white shining ovate shell with the posterior side slightly flexuous. Holdfast Bay (*D. J. Adcock*); also New South Wales,
- 56a. *VENERUPIS IRIDESCENS*, Tate, *antea*, p. 61. Spencer Gulf (*S. Aust. Mus.*).
- 76a. *CYTHAREA DISRUPTA*, Sowerby, Thes. Conch., p. 117, t. 163, figs. 208, 209. Transversely ovate, somewhat acuminate behind, yellowish, blotched with purple-brown, in a more or less radiating manner. The South Australian examples are of small size—about three quarters of an inch—with surface concentrically sulcated rather than striated. Adult examples from New South Wales attain to two and three-quarter inches long. Spencer Gulf, off Kangaroo Island (*S. Aust. Mus.*); also New South Wales and Tasmania.
- 86a. *CARDIUM ERUGATUM*, Tate, *antea*, p. 62. South Yorke Peninsula (*Matthews*).
- 98a. *SACCHIA ADAMSI*, Angas, as *Mysia (Felania)*, in Proc. Zool. Soc. 1867, t. 44, fig. 9, p. 910. Orbicular, depressed; hinge plate largely developed, grooved for reception of internal cartilage. Length and width about half an inch. Royston Head (*Matthews*); also New South Wales.
- 111a. *EPHIPPODONTA McDUGALLI*, Tate, *antea*, p. 64. Edithburgh, Yorke's Peninsula (*McDougall*). *Scintilla lunata* also belongs to this new genus.
- 114a. *CARDITA BEDDOMEI*, E. A. Smith, in Voy. Challenger, t. 15, f. 5, p. 211. Sub-quadrate with about 30 ribs, bearing numerous small transverse nodules, spotted with orange on the medial and posterior areas; sulci rather narrower than the ribs. Length about five-eighths by half of an inch. Spencer Gulf, off Kangaroo Island (*S. Aust. Mus.*); also Bass Straits.
- 114b. *CARDITA SQUAMIGERA*, Deshayes. Mag. Zool. 1853, p. 10. Reeve, Icon. Con., t. 4, f. 14. Broadly cordate, very wide and truncated behind; 20 narrow ribs, bearing sub-erect long scales becoming arched or tubular at the ventral margin. Length, three-eighths of an inch; width, quarter of an inch. Spencer Gulf, off Kangaroo Island (*S. Aust. Mus.*). Locality unknown (*Reeve*).

- 119a. CARDITELLA SUBRADIATA, Tate, *antea*, p. 62. Royston Head, Yorke Peninsula (*Matthews*).
121. UNIO ANGASI, Sowerby in Reeve's Icon. Conch., 1868, t. 55, f. 282. *U. Shuttleworthi*, Lea, is an older name, but is pre-occupied by another Australian species described by Kuster.
122. UNIO EVANSI. *U. vittatus*, Lea, in Reeve's Icon. Conch., t. 83, seems to represent this species. Lagoons of the River Murray and Lake Alexandrina. Not in New South Wales.
123. UNIO AUSTRALIS, Lamarck. Rivers Para and Onkaparinga.
- 123a. UNIO AMBIGUUS, Philippi. Scott's Creek, River Bremer, River Murray, Lake Alexandrina, and Mosquito Creek. By some authors this is referred to *U. australis*, but it differs by its shorter anterior side, less sloping anterior dorsal margin, and by the less ventricosity, especially in the umbo-post-ventral region.
- 151a. PINNA TASMANICA, Tenison Woods in Proc. Roy. Soc. Tasmania for 1875. Wedge-shaped, ribbed; ribs towards the margin furnished with a few, irregularly placed, much raised tubular scales. Dead valves dredged in 11 to 15 fathoms off Tapley Shoal, St. Vincent Gulf (*Matthews* and *McDougall*); also Victoria and Tasmania.

CLASS PALLIOBRANCHIATA.

- 3a. MAGASELLA CUMINGI, Davidson 1852; *Reeve*, Conch. Icon., Terebratula, t. 7, f. 30. Smooth, ovate-oblong, ventral valve much deeper, with a produced and incurved beak. Length about one-third of an inch. Living examples dredged in 11 to 15 fathoms off Tapley Shoal (*Matthews* and *McDougall*); dead shells from 27 fathoms off Encounter Bay; also New South Wales and Tasmania-

